

01-26-01

PTO/SB/05 (08-00)

Please type a plus sign (+) inside this box → +

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification [Total Pages 15] 1
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Sheets 10]
5. Oath or Declaration [Total Pages]
- a. Newly executed (original or copy)
b. Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 17 completed)
- DELETION OF INVENTOR(S)**
Signed statement attached deleting Inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- Application Data Sheet. See 37 CFR 1.76

Attorney Docket No. 728-189 (YOR9-2000-0756)

First Inventor LOUIS L. HSU

Title METHOD AND APPARATUS FOR.....

Express Mail Label No. EL 765221447 US

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. paper
 - c. Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & document(s))
10. 37 CFR 3.73(b) Statement Power of Attorney
(when there is an assignee)
11. English Translation Document (if applicable)
12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
13. Preliminary Amendment
14. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. Other: Associate Power of Attorney
Utility Appln. Data Sheet

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP)

of prior application No. _____

Group / Art Unit: _____

Prior application information: Examiner _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. CORRESPONDENCE ADDRESS

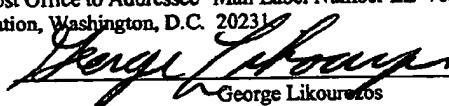
Customer Number or Bar Code Label XXXXXXXXXX or Correspondence address below

Name	Paul J. Farrell, Esq.				
Address	Dilworth & Barrese, LLP 333 Earle Ovington Blvd.				
City	Uniondale	State	NY	Zip Code	11553
Country	U.S.	Telephone	(516) 228-8484	Fax	(516) 228-8516

Name (Print/Type)	Paul J. Farrell, Esq.	Registration No. (Attorney/Agent)	33,494
Signature	 George Likouras		

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this correspondence and the documents referred to as enclosed are being deposited with the United States Postal Service on date below in an envelope as "Express Mail Post Office to Addressee" Mail Label Number EL 765221447 US addressed to: Assistant Commissioner for Patents, Box Patent Application, Washington, D.C. 20231

Dated: 1/25/01

George Likouras

JCS65 U.S. PRO
09/769080
01/25/01



ssistant Commissioner for Patents ATTORNEY DOCKET NO.728-189 (Y0R9-2000-0756)

ashington, D.C. 20231
ir:

Date: January 25, 2001
Express Mail Label: EL 765221447 US
Date of Deposit: January 25, 2001

ransmitted herewith for filing is the Patent Application of:

nventors: Louis L. Hsu, Rajiv V. Joshi, Carl Radens, Jack A. Mandelman, and Tsorng-Dih Yuan
or: METHOD AND APPARATUS FOR GLOBALLY ALIGNING THE FRONT AND BACK SIDES OF A SUBSTRATE

nclosed are: [X] 8 sheets of specification; [X] 1 sheet(s) of Abstract;
[X] 6 sheet(s) of claims; [X] 10 sheet(s) of drawing(s);

[] An assignment of the invention to International Business Machines Corporation with
Recordation Form.
[] Declaration and Power of Attorney.
[] A certified copy of a _____ application, from which priority
under Title 35 USC §119 is claimed.
[X] Associate Power of Attorney.

The filing fee has been calculated as shown below:

(Col. 1) (Col. 2)

FOR:	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	32 -20 =	12
INDEP CLAIMS	4 -3 =	1
MULTIPLE DEPENDENT CLAIMS PRESENTED		

If the difference in Col. 1 is less
than zero, enter "0" in Col. 2.

OTHER THAN A SMALL ENTITY	
RATE	Fee
	\$ 710.00
X \$18 =	216.00
X \$80 =	80.00
+ 270 =	
TOTAL	\$1006.00

[] A check in the amount of \$ _____ to cover the [] filing fee(s), and a check in the
amount of \$ _____ to cover the [] recording fee are enclosed.
[X] Please charge my Deposit Account No. 50-0510 in the amount of \$ 1,006.00.
[X] The Commissioner is hereby authorized to charge payment of the following fees
associated with this communication or credit any overpayment to Deposit Account No.
50-0510/IBM (Yorktown Heights). A duplicate copy of this sheet is enclosed.
[X] Any additional filing fees required under 37 CFR 1.16.
[X] Any patent application processing fees under 35 CFR 1.17.

Respectfully submitted,

By:


Paul J. Farrell
Registration No. 33,494

Attorney for:
IBM Corporation
Intellectual Property Law Dept.
P.O. Box 218
Yorktown Heights, NY 10598

Please address all
correspondence to:
DILWORTH & BARRESE, LLP
333 Earle Ovington Boulevard
Uniondale, NY 11553
Tel: (516) 228-8484
Fax: (516) 228-8516

CERTIFICATION UNDER 37 C.F.R. § 1.10

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deposited with the United States Postal Service on this date January 25, 2001 in an envelope as "Express Mail Post Office to
Addressee" Mail Label Number EL 765221447 US addressed to: Assistant Commissioner for Patents, Box PATENT APPLICATION,
Washington, D.C. 20231.


George T. Thompson
George T. Thompson

PATENT

Atty. Docket No. 728-189 (YOR9-2000-0756)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

BOX PATENT APPLICATION

Assistant Commissioner for Patents
Washington, D.C. 20231

UTILITY APPLICATION DATA SHEET UNDER 37 C.F.R. § 1.76

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): LOUIS L. HSU; RAJIV V. JOSHI; CARL RADENS;
JACK A. MANDELMAN; and TSQRNG-DIH YUAN

For: METHOD AND APPARATUS FOR GLOBALLY ALIGNING THE
FRONT AND BACK SIDES OF A SUBSTRATE

Enclosed are:

[X] 15 page(s) of specification
(including claims and abstract)
[X] 10 sheets of drawings [] formal [X] informal
[] _____ page(s) of Declaration and Power of Attorney
[] _____ page(s) An Assignment of the invention
[X] 1 page(s) Associate Power of Attorney

Assignee Name: INTERNATIONAL BUSINESS MACHINES CORPORATION

Assignee Residence: Armonk, New York

CERTIFICATION UNDER 37 C.F.R. § 1.10

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George Likouracos
(Type or print name of person mailing paper)


(Signature of person mailing paper)

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FEE TRANSMITTAL

for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 1,006.00)

Complete If Known	
Application Number	
Filing Date	January 25, 2001
First Named Inventor	LOUIS L. HSU
Examiner Name	
Group Art Unit	
Attorney Docket No.	728-189 (YOR9-2000-0756)

METHOD OF PAYMENT

1. The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 50-0510/IBM (Yorktown Heights)

Deposit Account Name IBM (Yorktown Heights)

Charge Any Additional Fee Required
Under 37 CFR 1.16 and 1.17

Applicant claims small entity status.
See 37 CFR 1.27

2. Payment Enclosed:

Check Credit card Money Order Other

FEE CALCULATION**1. BASIC FILING FEE**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
101 710	201 355	Utility filing fee	\$710.00
106 320	208 160	Design filing fee	
107 490	207 245	Plant filing fee	
108 710	208 355	Reissue filing fee	
114 150	214 75	Provisional filing fee	

SUBTOTAL (1) (\$ 710.00)

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
32	-20** = 12	x 18	= \$216
Independent Claims 4	- 3** = 1	x 80	= \$80
Multiple Dependent		270	= \$0

Fee Code (\$)	Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20
102 80	202 40	Independent claims in excess of 3
104 270	204 135	Multiple dependent claim, if not paid
109 80	209 40	** Reissue independent claims over original patent
110 18	210 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 296.00)

*or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65		Surcharge - late filing fee or oath	
127 60	227 25		Surcharge - late provisional filing fee or cover sheet	
139 130	139 130		Non-English specification	
147 2,520	147 2,520		For filing a request for ex parte reexamination	
112 920*	112 920*		Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*		Requesting publication of SIR after Examiner action	
115 110	215 55		Extension for reply within first month	
116 390	218 195		Extension for reply within second month	
117 890	217 445		Extension for reply within third month	
118 1,390	218 695		Extension for reply within fourth month	
128 1,880	228 945		Extension for reply within fifth month	
119 310	218 155		Notice of Appeal	
120 310	220 155		Filing a brief in support of an appeal	
121 270	221 135		Request for oral hearing	
138 1,510	138 1,510		Petition to institute a public use proceeding	
140 110	240 55		Petition to revive - unavoidable	
141 1,240	241 620		Petition to revive - unintentional	
142 1,240	242 620		Utility issue fee (or reissue)	
143 440	243 220		Design issue fee	
144 800	244 300		Plant issue fee	
122 130	122 130		Petitions to the Commissioner	
123 50	123 50		Petitions related to provisional applications	
126 240	128 240		Submission of Information Disclosure Stmt	
581 40	581 40		Recording each patent assignment per property (times number of properties)	
148 710	246 355		Filing a submission after final rejection (37 CFR § 1.129(a))	
149 710	249 355		For each additional invention to be examined (37 CFR § 1.129(b))	
179 710	279 355		Request for Continued Examination (RCE)	
169 800	169 800		Request for expedited examination of a design application	

Other fee (specify)

' Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)

SUBMITTED BY

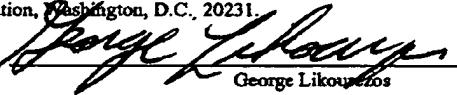
Name (Print/Type)	Paul J. Farrell, Esq.	Registration No. (Attorney/Agent)	33,494	Telephone	(516) 228-8484
Signature				Date	1/25/01

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Dated:

1/25/01



George Likopoulos